

4/9/03

To: Jeff Donels, AU2837, CP4-11E08

Re: US 5,981,860 09/976,769

Attached are search results.

No U.S. litigation was found in searches of Lexis-Nexis, Dialog, and Questel-Orbit databases.

If more searching or explanation is needed, please let me know.

Thanks,  
Jeff Harrison *Jeff*  
STIC-EIC2800  
306-5429  
CP4-9C18

Source: [Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Patents](#) > [U.S. Patents](#) > [Utility Patents](#) ⓘ  
Terms: [patno=5981860](#) ([Edit Search](#))

920947 (08) 5981860 November 9, 1999

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT  
**5981860**

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[Link to Claims Section](#)

November 9, 1999

Sound source system based on computer software and method of generating acoustic waveform data

**REISSUE:** Reissue Application filed Oct. 12, 2001 (O.G. Dec. 18, 2001) Ex. Gp.: 2837; Re. S.N. 09/976,769, (O.G. December 18, 2001)

**INVENTOR:** Isozaki, Yoshimasa, Hamamatsu, JP; Masuda, Hideyuki, Hamamatsu, JP; Suzuki, Hideo, Hamamatsu, JP; Shimizu, Masahiro, Hamamatsu, JP; Hirano, Masashi, Hamamatsu, JP

**APPL-NO:** 920947 (08)

**FILED-DATE:** August 29, 1997

**GRANTED-DATE:** November 9, 1999

**PRIORITY:** August 30, 1996 - 8-246942, Japan (JP); August 30, 1996 - 8-248592, Japan (JP); January 14, 1997 - 9-017333, Japan (JP)

**ASSIGNEE-AT-ISSUE:** Yamaha Corporation, Hamamatsu, JP

**ASSIGNEE-AFTER-ISSUE:** August 29, 1997 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., YAMAHA CORPORATION 10-1, NAKAZAWA- CHO, HAMAMATSU-SHI SHIZUOKA JAPAN, Reel and Frame Number: 008702/0031

**LEGAL-REP:** Graham & James LLP

**PUB-TYPE:** November 9, 1999 - Utility Patent having no previously published pre-grant publication (A)

**PUB-COUNTRY:** United States (US)

**US-MAIN-CL:** 84#603

**US-ADDL-CL:** 84#622

**CL:** 84

**SEARCH-FLD:** 846#, 846#3, 846#4, 846#22, 846#59

**IPC-MAIN-CL:** G 10H007#0

## No Documents Found!

No documents were found for your search (**5981860 or 5,981,860**).  
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Use connectors to show relation of terms (cat or feline, jane w/3 doe) [more...](#)

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Terms and Connectors  Natural Language

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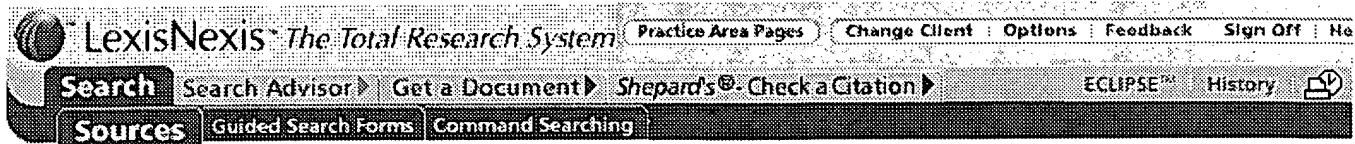
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Terms and Connectors  Natural Language

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Search statement 1  
 Query/Command : /pn 5981860

**\*\* SS 1: Results 1**

1 / 1 LGST - ©LEGSTAT  
 PN - US 5981860 [US5981860]  
 AP - US 920947/97 19970829 [1997US-0920947]  
 DT - US-P  
 ACT - 19970829 US/AE-A  
 APPLICATION DATA (PATENT)  
 US 920947/97 19970829 [1997US-0920947]  
 19991109 US/A  
 PATENT  
 20011218 US/RF  
 REISSUE APPLICATION FILED  
 20011012  
 UP - 2001-51

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**Selected file: CRXX**

CRXX (CLAIMS Current Legal Status)  
 Legal Status actions current thru April 01, 2003 (2003-14/UP)  
 Reassignment data current as of October 14, 2002.

Search statement 1  
 Query/Command : /pn 5981860

**\*\* SS 1: Results 1**

1 / 1 CRXX - ©CLAIMS/RRX  
 AN - 3232850  
 PN - 5,981,860 A 19991109 [US5981860]  
 PT - E (Electrical)  
 PA - Yamaha Corp JP  
 ACT - 20011012 REISSUE REQUESTED  
 ISSUE DATE OF O.G.: 20011218  
 REISSUE REQUEST NUMBER: 09/976769  
 EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2837

Reissue Patent Number:

UP - 2001-51  
 UACT - 2001-12-18

09/976,769 4/9/2003

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2	1	5979055
3	2	5979350
4	1	5979654
5	1	5980158
6	1	5981874
7	1	5982643
8	1	5983201
9	1	5983236
10	2	5983496
11	3	5983588
12	2	5983783
13	1	5983900
14	2	5984077
15	1	5984273

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Query/Command : /pn 5981860

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Dialog File: Inpadoc/Fam. & Legal Stat\_1968-2003/UD=200313

Acc no: 14153712

Latest Legal Status Added: 200313

EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):  
EP 827132 P 20030326 EP 26N NO OPPOSITION FILED (KEIN  
EINSPRUCH EINGELEGT)

Basic Patent (No,Kind,Date): EP 827132 A1 19980304

<No. of Patents: 011> <No. of Patents: 011>  
SOUND SOURCE SYSTEM BASED ON COMPUTER SOFTWARE AND METHOD OF GENERATING  
ACOUSTIC WAVEFORM DATA (English; French; German)  
AUF SOFTWARE BASIERENDES TONQUELLENSYSTEM UND VERFAHREN ZUR ERZEUGUNG VON  
AKUSTISCHEN WELLENFORMDATEN  
SOUND SOURCE SYSTEM BASED ON COMPUTER SOFTWARE AND METHOD OF GENERATING  
ACOUSTIC WAVEFORM DATA  
SOUND SOURCE SYSTEM BASED ON COMPUTER SOFTWARE AND METHOD OF GENERATING  
ACOUSTIC DATA  
SOUND SOURCE SYSTEM USING COMPUTER SOFTWARE AND ACOUSTIC WAVEFORM DATA  
GENERATING METHOD

METHOD AND DEVICE FOR SOUND SOURCE WAVEFORM DATA GENERATION

Patent Assignee: YAMAHA CORP (JP)

Author (Inventor): ISOZAKI YOSHIMASA (JP); SUZUKI HIDEO (JP); SHIMIZU  
MASAHIRO (JP); MASUDA HIDEYUKI (JP); HIRANO MASASHI (JP)

Priority (No,Kind,Date): JP 96246942 A 19960830; JP 96248592 A 19960830;  
JP 9717333 A 19970114

Applic (No,Kind,Date): EP 97114933 A 19970828

Designated States : (National) DE; GB; IT

IPC: \*G10H-007/00; G10H-001/18

Derwent WPI Acc No: \*G 98-132833; G 98-132833

Language of Document: English

Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date
DE 69711518	C0	20020508	DE 69711518	A	19970828
DE 69711518	T2	20021128	DE 69711518	A	19970828
EP 827132	A1	19980304	EP 97114933	A	19970828 (BASIC)
EP 1087372	A2	20010328	EP 2000123550	A	19970828
EP 827132	B1	20020403	EP 97114933	A	19970828
JP 10074088	A2	19980317	JP 96246942	A	19960830
JP 10124064	A2	19980515	JP 9717333	A	19970114
JP 3141789	B2	20010305	JP 96246942	A	19960830
JP 3223827	B2	20011029	JP 9717333	A	19970114
SG 6700993	A1	19991019	SG 9703053	A	19970826
US 5981860	A	19991109	US 920947	A	19970829

GERMANY (DE)

Patent (No,Kind,Date): DE 69711518 C0 20020508

AUF SOFTWARE BASIERENDES TONQUELLENSYSTEM UND VERFAHREN ZUR ERZEUGUNG  
VON AKUSTISCHEN WELLENFORMDATEN (German)

Patent Assignee: YAMAHA CORP (JP)

Author (Inventor): ISOZAKI YOSHIMASA (JP); SUZUKI HIDEO (JP);  
SHIMIZU MASAHIRO (JP); MASUDA HIDEYUKI (JP); HIRANO MASASHI (JP)

Priority (No,Kind,Date): JP 96246942 A 19960830; JP 96248592 A  
 19960830; JP 9717333 A 19970114  
 Applic (No,Kind,Date): DE 69711518 A 19970828  
 IPC: \* G10H-007/00; G10H-001/18  
 Derwent WPI Acc No: \* G 98-132833; G 01-443533  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69711518 T2 20021128  
 AUF SOFTWARE BASIERENDES TONQUELLENSYSTEM UND VERFAHREN ZUR ERZEUGUNG  
 VON AKUSTISCHEN WELLENFORMDATEN (German)  
 Patent Assignee: YAMAHA CORP (JP)  
 Author (Inventor): ISOZAKI YOSHIMASA (JP); SUZUKI HIDEO (JP);  
 SHIMIZU MASAHIRO (JP); MASUDA HIDEYUKI (JP); HIRANO MASASHI (JP)  
 Priority (No,Kind,Date): JP 96246942 A 19960830; JP 96248592 A  
 19960830; JP 9717333 A 19970114  
 Applic (No,Kind,Date): DE 69711518 A 19970828  
 IPC: \* G10H-007/00; G10H-001/18  
 Derwent WPI Acc No: \* G 98-132833; G 01-443533  
 Language of Document: German

## GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):  
 DE 69711518 P 20020508 DE REF CORRESPONDS TO (ENTSPRICHT)  
 EP 827132 P 20020508  
 DE 69711518 P 20021128 DE 8373 TRANSLATION OF PATENT  
 DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND  
 HAS BEEN PUBLISHED (UEBERSETZUNG DER  
 PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST  
 EINGEGANGEN UND VEROEFFENTLICHT WORDEN)

## EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 827132 A1 19980304  
 SOUND SOURCE SYSTEM BASED ON COMPUTER SOFTWARE AND METHOD OF GENERATING  
 ACOUSTIC WAVEFORM DATA (English; French; German)  
 Patent Assignee: YAMAHA CORP (JP)  
 Author (Inventor): ISOZAKI YOSHIMASA (JP); SUZUKI HIDEO (JP);  
 SHIMIZU MASAHIRO (JP); MASUDA HIDEYUKI (JP); HIRANO MASASHI (JP)  
 Priority (No,Kind,Date): JP 96246942 A 19960830; JP 96248592 A  
 19960830; JP 9717333 A 19970114  
 Applic (No,Kind,Date): EP 97114933 A 19970828  
 Designated States: (National) DE; GB; IT  
 IPC: \* G10H-007/00; G10H-001/18  
 Derwent WPI Acc No: \* G 98-132833; G 98-132833  
 Language of Document: English  
 Patent (No,Kind,Date): EP 1087372 A2 20010328  
 SOUND SOURCE SYSTEM BASED ON COMPUTER SOFTWARE AND METHOD OF GENERATING  
 ACOUSTIC DATA (English; French; German)  
 Patent Assignee: YAMAHA CORP (JP)  
 Author (Inventor): MASUDA HIDEYUKI (JP); ISOZAKI YOSHIMASA (JP);  
 SUZUKI HIDEO (JP); HIRANO MASASHI (JP)  
 Priority (No,Kind,Date): EP 97114933 A3 19970828; JP 96246942 A  
 19960830; JP 96248592 A 19960830; JP 9717333 A 19970114  
 Applic (No,Kind,Date): EP 2000123550 A 19970828  
 Designated States: (National) DE; GB; IT  
 IPC: \* G10H-007/00; G10H-001/18  
 Derwent WPI Acc No: ; G 01-443533  
 Language of Document: English  
 Patent (No,Kind,Date): EP 827132 B1 20020403  
 SOUND SOURCE SYSTEM BASED ON COMPUTER SOFTWARE AND METHOD OF GENERATING  
 ACOUSTIC WAVEFORM DATA (English; French; German)  
 Patent Assignee: YAMAHA CORP (JP)  
 Author (Inventor): ISOZAKI YOSHIMASA (JP); SUZUKI HIDEO (JP);  
 SHIMIZU MASAHIRO (JP); MASUDA HIDEYUKI (JP); HIRANO MASASHI (JP)  
 Priority (No,Kind,Date): JP 96246942 A 19960830; JP 96248592 A  
 19960830; JP 9717333 A 19970114  
 Applic (No,Kind,Date): EP 97114933 A 19970828  
 Designated States: (National) DE; GB; IT  
 IPC: \* G10H-007/00; G10H-001/18  
 Derwent WPI Acc No: \* G 98-132833; G 01-443533  
 Language of Document: English

## EUROPEAN PATENT OFFICE (EP)

## Legal Status (No,Type,Date,Code,Text):

EP 827132 P 19960830 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 96246942 A 19960830  
EP 827132 P 19960830 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 96248592 A 19960830  
EP 827132 P 19970114 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 9717333 A 19970114  
EP 827132 P 19970828 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG)  
EP 97114933 A 19970828

EP 827132 P 19980304 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTEN VERTRAGSSTAATEN)

DE GB IT  
EP 827132 P 19980304 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)

EP 827132 P 19980304 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)  
970828

EP 827132 P 19981118 EP AKX PAYMENT OF DESIGNATION FEES (NL: KORREKTUREN (TEIL 1 RUBRIK G))  
DE GB IT

EP 827132 P 19981118 EP RBV DESIGNATED CONTRACTING STATES (CORRECTION): (BENANNTEN VERTRAGSSTAATEN (KORR.))  
DE GB IT

EP 827132 P 20000712 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)  
20000526

EP 827132 P 20001220 EP RAHF DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION) (TEILANMELDUNG (ART. 76) IN: (KORR.))  
EP 2000123550 A 20001027

EP 827132 P 20010328 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
EP 1087372 P

EP 827132 P 20020101 GB 1020101/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01

EP 827132 P 20020403 EP AHF DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:)  
1087372  
EP 2000123550 A 20001027

EP 827132 P 20020403 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEGEHRTE BENANNTEN VERTRAGSSTAATEN)  
DE GB IT

EP 827132 P 20020403 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)

EP 827132 P 20020508 EP REF CORRESPONDS TO:  
(ENTSPRICHT)  
DE 69711518 P 20020508

EP 827132 P 20030326 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT)

EP 1087372 P 19960830 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 96246942 A 19960830  
EP 1087372 P 19960830 EP AA PRIORITY (PATENT APPLICATION) (PRIORITY (PATENTANMELDUNG))

JP 96248592 A 19960830  
 EP 1087372 P 19970114 EP AA PRIORITY (PATENT  
 APPLICATION) (PRIORITAET (PATENTANMELDUNG))

JP 9717333 A 19970114  
 EP 1087372 P 19970828 EP AA DIVIDED OUT OF  
 (AUSSCHEIDUNG AUS)  
 EP 97114933 A3 19970828

EP 1087372 P 19970828 EP AE EP-APPLICATION  
 (EUROPAEISCHE ANMELDUNG)  
 EP 2000123550 A 19970828

EP 1087372 P 20010328 EP AC DIVISIONAL APPLICATION (ART.  
 76) OF: (TEILANMELDUNG (ART. 76) AUS:)  
 EP 827132 P

EP 1087372 P 20010328 EP AK DESIGNATED CONTRACTING  
 STATES IN AN APPLICATION WITHOUT SEARCH  
 REPORT: (IN EINER ANMELDUNG OHNE  
 RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)

DE GB IT  
 EP 1087372 P 20010328 EP A2 PUBLICATION OF APPLICATION  
 WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER  
 ANMELDUNG OHNE RECHERCHENBERICHT)

EP 1087372 P 20010328 EP 17P REQUEST FOR EXAMINATION  
 FILED (PRUEFUNGSANTRAG GESTELLT)  
 20001027

## JAPAN (JP)

Patent (No,Kind,Date): JP 10074088 A2 19980317  
 SOUND SOURCE SYSTEM USING COMPUTER SOFTWARE AND ACOUSTIC WAVEFORM DATA  
 GENERATING METHOD (English)  
 Patent Assignee: YAMAHA CORP  
 Author (Inventor): ISOZAKI YOSHIMASA; SUZUKI HIDEO; SHIMIZU MASAHIRO  
 Priority (No,Kind,Date): JP 96246942 A 19960830  
 Applic (No,Kind,Date): JP 96246942 A 19960830  
 IPC: \* G10H-007/08; G10H-001/00; G10H-001/02  
 Derwent WPI Acc No: \* G 98-132833  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 10124064 A2 19980515  
 METHOD AND DEVICE FOR SOUND SOURCE WAVEFORM DATA GENERATION (English)  
 Patent Assignee: YAMAHA CORP  
 Author (Inventor): MASUDA HIDEYUKI; ISOZAKI YOSHIMASA; SUZUKI HIDEO;  
 HIRANO MASASHI  
 Priority (No,Kind,Date): JP 9717333 A 19970114; JP 96248592 A  
 19960830  
 Applic (No,Kind,Date): JP 9717333 A 19970114  
 IPC: \* G10H-007/08  
 Derwent WPI Acc No: \* G 98-132833  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3141789 B2 20010305  
 Priority (No,Kind,Date): JP 96246942 A 19960830  
 Applic (No,Kind,Date): JP 96246942 A 19960830  
 IPC: \* G10H-007/08; G10H-001/02  
 Derwent WPI Acc No: \* G 98-132833  
 Language of Document: Japanese  
 Patent (No,Kind,Date): JP 3223827 B2 20011029  
 Priority (No,Kind,Date): JP 9717333 A 19970114; JP 96248592 A  
 19960830  
 Applic (No,Kind,Date): JP 9717333 A 19970114  
 IPC: \* G10H-007/08; G10H-001/02  
 Derwent WPI Acc No: \* G 98-132833  
 Language of Document: Japanese

## SINGAPORE (SG)

Patent (No,Kind,Date): SG 6700993 A1 19991019  
 SOUND SOURCE SYSTEM BASED ON COMPUTER SOFTWARE AND METHOD OF GENERATING  
 ACOUSTIC WAVEFORM DATA (English)  
 Patent Assignee: YAMAHA CORP  
 Author (Inventor): ISOZAKI YOSHIMASA; SUZUKI HIDEO; SHIMIZU MASAHIRO;  
 MASUDA HIDEYUKI; HIRANO MASASHI  
 Priority (No,Kind,Date): JP 96246942 A 19960830; JP 96248592 A

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 SOUND SOURCE SYSTEM BASED ON COMPUTER SOFTWARE AND METHOD OF GENERATING  
 ACOUSTIC WAVEFORM DATA (English)  
 Patent Assignee: YAMAHA CORP (JP)  
 Author (Inventor): ISOZAKI YOSHIMASA (JP); MASUDA HIDEYUKI (JP);  
 SUZUKI HIDEO (JP); SHIMIZU MASAHIRO (JP); HIRANO MASASHI (JP)  
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 10074088 A2 19980317; JP 10124064 A2 19980515; JP 3141789 B2 20010305; JP  
 3223827 B2 20011029; SG 6700993 A1 19991019; US 5981860 A 19991109

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 MASAHIRO (JP); MASUDA HIDEYUKI (JP); HIRANO MASASHI (JP); ISOZAKI  
 YOSHIMASA; SUZUKI HIDEO; SHIMIZU MASAHIRO; MASUDA HIDEYUKI; HIRANO  
 MASASHI

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 APPLICATION WITH SEARCH REPORT; PUBLICATION OF APPLICATION WITH SEARCH  
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DESIGNATED CONTRACTING STATES (CORRECTION)::; FIRST EXAMINATION REPORT; DIVISIONAL APPLICATION (ART. 76) IN: (CORRECTION); DIVISIONAL APPLICATION (ART. 76) IN:; EUROPEAN PATENT IN FORCE AS OF 2002-01-01; DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION::; PATENT SPECIFICATION; CORRESPONDS TO::; NO OPPOSITION FILED; DIVIDED OUT OF; DIVISIONAL APPLICATION (ART. 76) OF::; DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH REPORT::; PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT; PRIORITY (PATENT); APPLICATION DATA (PATENT); PATENT; REISSUE APPLICATION FILED

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